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PHARMACOLOGICALLY ACTIVE BIPHOSPHONATES, PROCESS FOR
THE PREPARATION THEREOF AND PHARMACEUTICAL COMPOSI-
TIONS THEREFROM

ABSTRACT OF THE DISCLOSURE

Biphosphonic acids of general formula I:

T0010X



P5

in which R is a fluorine atom of a linear or branched alkyl radical containing between 1 and 5 carbon atoms, which may also be substituted by one or more amino groups of fluorine atoms or both amino groups and fluorine atoms, R' is hydroxy or fluorine, and their salts with an alkali metal, an organic base or a basic amino-acid, exhibit valuable properties in the treatment of urolithiasis or in the treatment as inhibitors of bone reabsorption. The compound 4-amino-1-hydroxybutan-1,1-biphosphonic acid is between 100 and 300 times more active than Cl₂MDP.